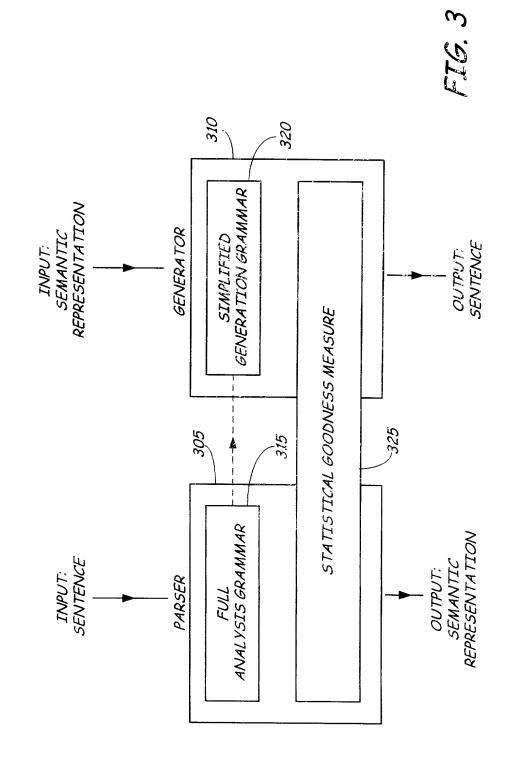
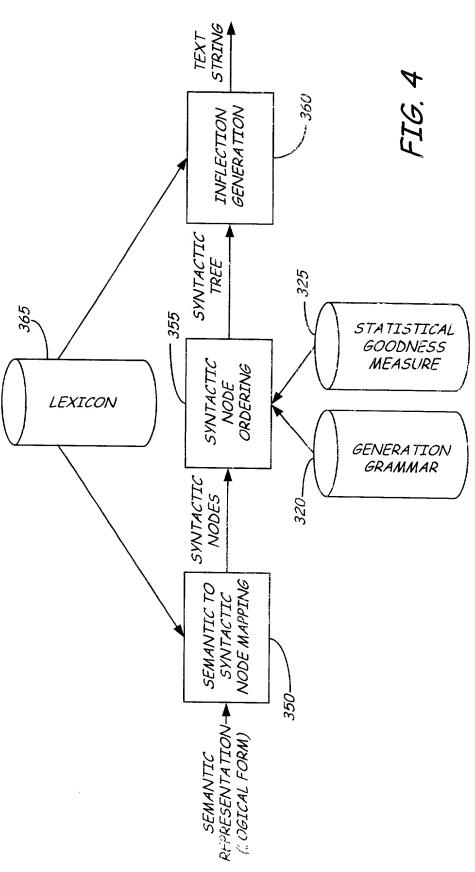


FIG. 2

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MAP THE SEMANTIC REPRESENTATION TO AN UNORDERED SET OF SYNTACTIC NODES

350

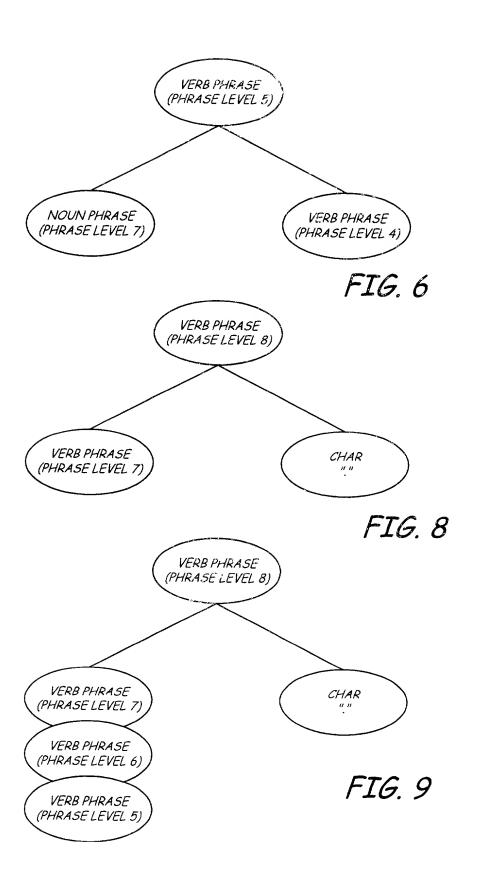
USE GRAMMAR RULES FROM A
GENERATION GRAMMAR AND
STATISTICAL GOODNESS
MEASURE VALUES FROM A
CORRESPONDING ANALYSIS
GRAMMAR TO CREATE A TREE
STRUCTURE TO ORDER THE
SYNATACTIC NODES

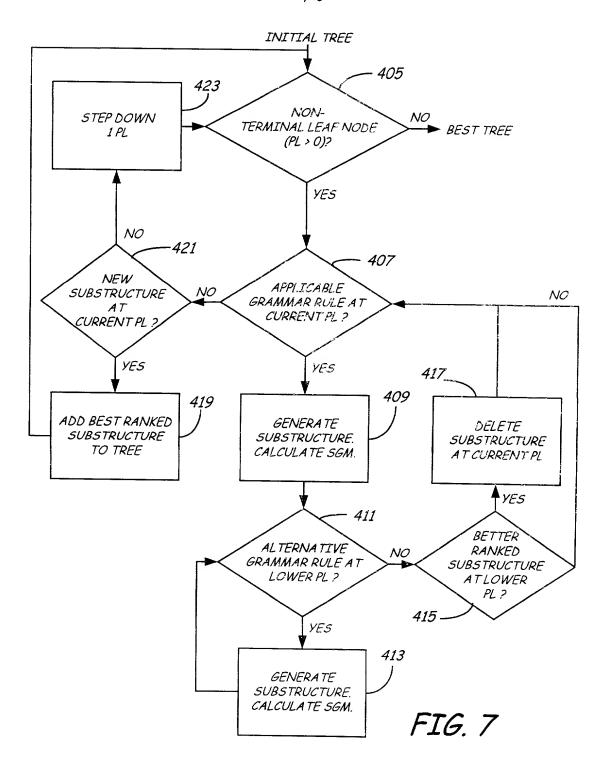
- *355* 

PRODUCE AN INFLECTED
FORM OF EACH LEAF NODE IN
THE TREE AND GENERATE
THE SENTENCE FROM THE
TREE STRUCTURE WITH THE
INFLECTED FORM OF EACH
LEAF NODE

- 360

FIG. 5





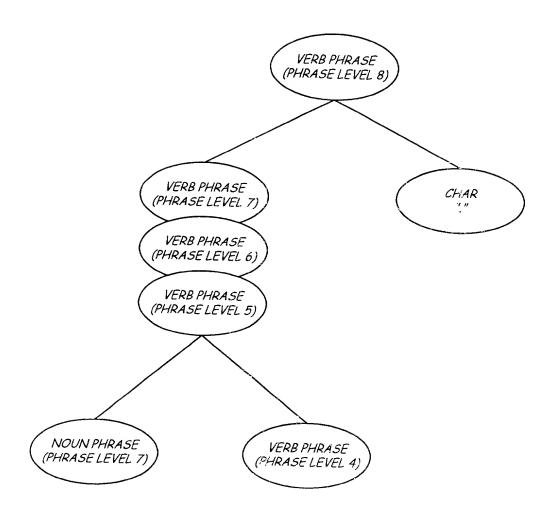


FIG. 10

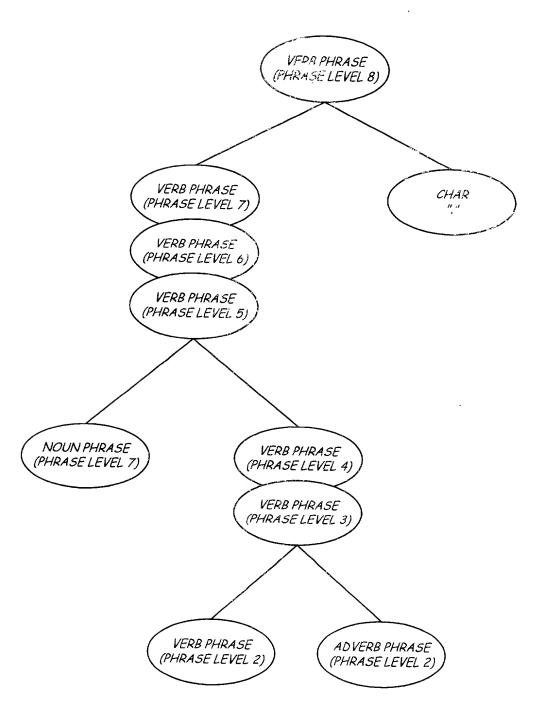
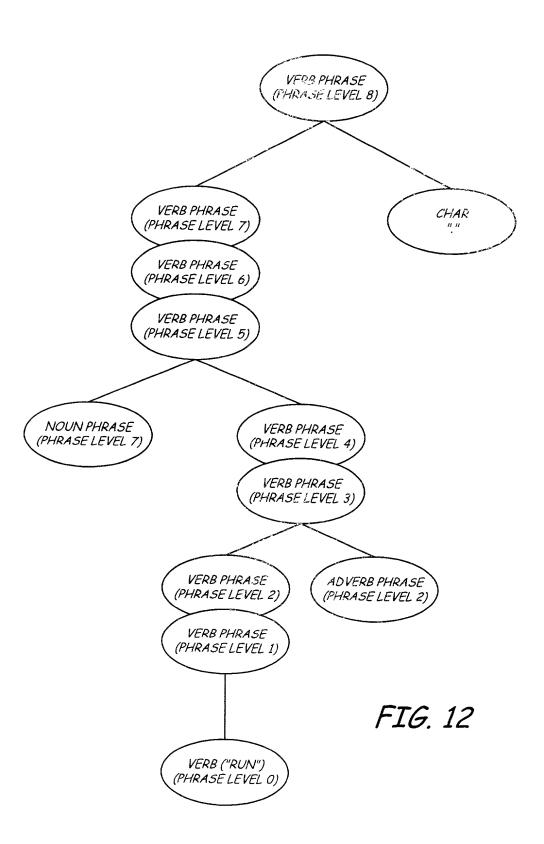
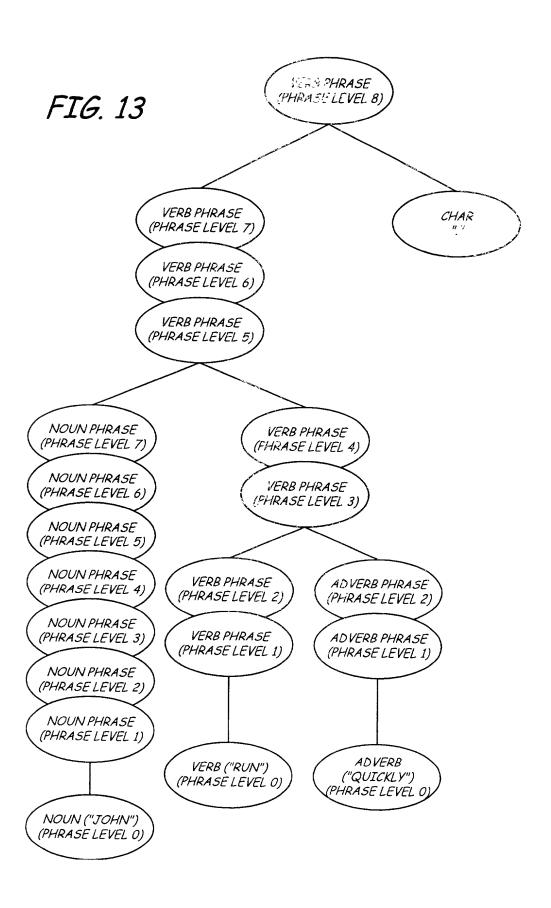
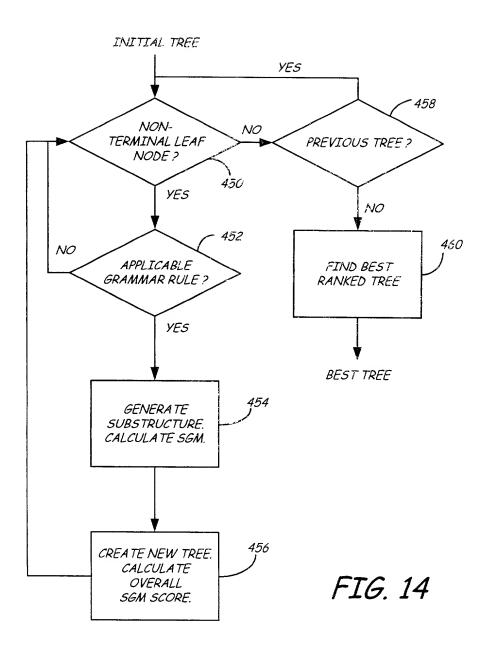


FIG. 11







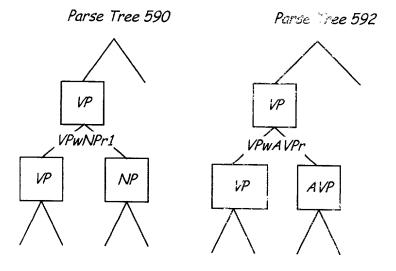
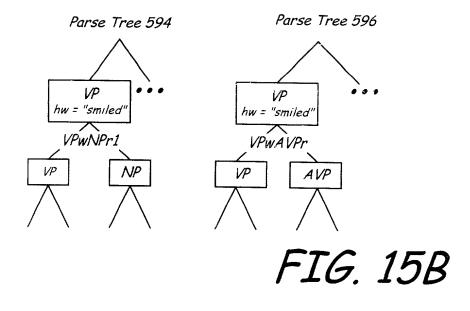
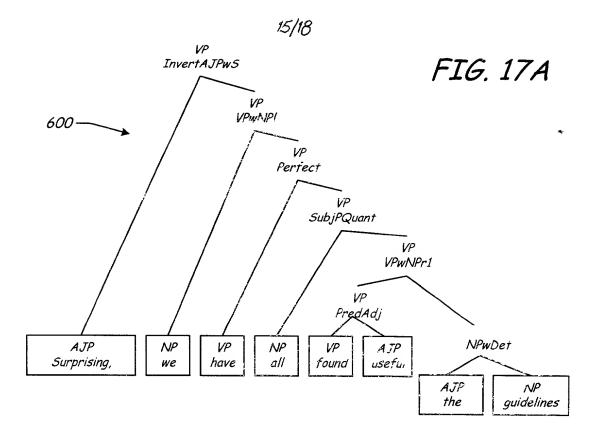


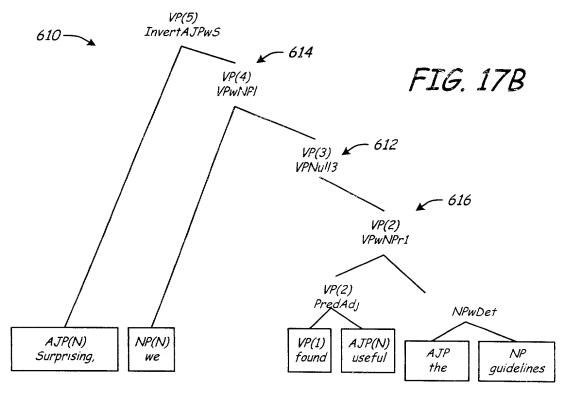
FIG. 15A



7	î
FIG	

Rule Name	Rule			Description (and an example)
VERBtoVP	VP	1	VERB	Promote a verb into a verb phrase
D d A d:	Q/X	,	di v dV	Add on an adjective.
PredAdj	<u>&gt;</u>	<b>↑</b>		"It has been <u>found effective</u> "
i die die	4/1			Add direct object to a VP
VPwNPrI	> 7	<b>↑</b>	V. N.	".! <u>hit Bill</u> "
Dfe at	0.5			Adds the VP "have" to a VP
Periect	> 	1	7 ×	"Joe <u>had gone"</u>
				Add quantifiers to the VP like "all", "both",
SubjPQuant	VP	<b>↑</b>	NP VP	÷
				"The children have <u>all gone"</u>
17.DNIDI	d/y		div div	Add noun subject to a VP
VFWINFI	۱ >	Ť.		"John jumped."
Cubiaot A ID	ΔΛ	,	dΛ dI v	Add AJP subject to a VP
revisione	<b>-</b> >	1		"More surprising is his attitude"
W S. B. V	a/y		d V di A	Add final modifier, AJP, to the left of a VP
SW ICEALOVIII	- -	1		"More remarkable still, he went"
Tonicalization VD	VP		dN dN	Add object of VP, NP, to the left of a VP
i opi <b>c</b> anzanon	- -	1		"! better-looking man I have not seen"





Phrase					
Level	Rule Name	Rule			Level Description
	VERBtoVP	VP(1) →	VERB(PL_Verb_Max)	fax)	Create a VP
	PredAdj	VP(2)→	VP(1)	AJP(PL_AJP_Max)	
C1	VPwNPr1	VP(2) →	VP(1)	NP(PL_AJP_Max)	Add post modifiers
	VPNull2	VP(2) →	VP(1)		
	Perfect	VP(3)→	VP(1)	VP(2,3)	
3	SubjPQuant	VP(3) →	NP(PL_NP_Max) VP(2,3)	VP(2,3)	Add "have" and quantifiers
	VPNull3	VP(3) →	VP(2)		
	VPwNPI	VP(4) →	NP(PL_NP_Max) VP(3)	VP(3)	
4	SubjectAJP	VP(4) →	AJP(PL_AJP_Max) VP(3)	) VP(3)	Add subject
	VPNull4	VP(4) →	VP(3)		
	InvertAJPwS	VP(5) →	AJP(PL_AJP_Max) VP(4)	) VP(4)	had modifiers to VDs that
5	Topicalization	VP(5) →	NP(PL_NP_Max) VP(4)	VP(4)	have a subject
	VPNull5	VP(5) →	VP(4)		

FIG. 18

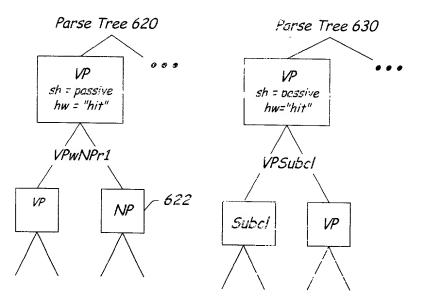


FIG. 19

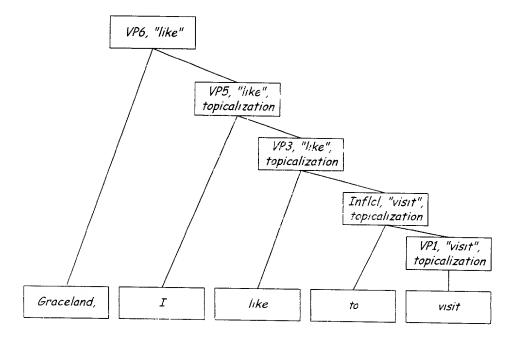


FIG. 20

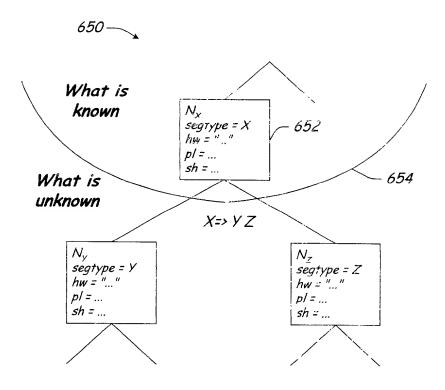


FIG. 21